

Bid Category: 13-01 PRE-ENGINEERED METAL BUILDING

A. INCLUDES:

Except for those items (if any) specifically noted to be excluded as defined below, the work of this bid category shall include all the work and contract requirements according to Division 00 & 01 complete, including all bid requirements, Contract Documents; General and Supplemental Conditions, and General Requirements. Should any conflict exist between this written scope of work and the scope of work inferred by the Division 00 & 01 General Requirements, or the technical specifications listed below, the work required by this bid category description shall govern. Work of this bid category specifically includes the work of the technical specification sections listed below, in their entirety, unless otherwise noted within this work category description:

Specification Sections

DIVISION 00

DIVISION 01

01 2300 ALTERNATES (AS APPLICABLE)

05 1200 STRUCTURAL STEEL FRAMING

07 0553 FIRE AND SMOKE ASSEMBLY IDENTIFICATION

07 2213 THERMAL INSULATION (AS APPLICABLE)

07 2213 NAILBASE INSULATION PANELS

07 6200 SHEET METAL FLASHING AND TRIM

07 7200 ROOF ACCESSORIES

07 8400 FIRESTOPPING (AS APPLICABLE)

07 8401 FIRESTOPPING SCHEDULE (AS APPLICABLE)

07 8402 FIRESTOPPING SCHEDULE FORM (AS APPLICABLE)

07 9200 JOINT SEALANTS (AS APPLICABLE)

B. SPECIFICALLY INCLUDED:

1. Prevailing Wages **ARE REQUIRED** per Spec Section 00 3132 INFORMATION AVAILABLE TO BIDDERS.
2. Include all applicable taxes, duties, and related fees. This project is **NOT TAX EXEMPT** per Spec Section 00 3132 INFORMATION AVAILABLE TO BIDDERS.
3. Bidders shall include a 2-year warranty for all material and labor in addition to all other warranty periods identified in the technical specification sections. If less than a 2-year warranty period is specified, this 2-year warranty shall govern. Bidders shall be responsible for coordinating with vendors and suppliers as well as third-tier subcontractors. Note that ALL warranties begin at the

date of substantial completion. Warranties that begin at the date of shipment or any other date are NOT acceptable as referenced in Spec Section 01 700 EXECUTION REQUIREMENTS.

4. All workers on site will be required to submit information for background checks per VBPS Policy 4205 – Hiring and Background Checks & Criminal Background Disclosure Affidavit. Refer to APPENDIX O. All contractors will be responsible for ensuring that employee background check paperwork is submitted timely prior to the start of work. Any employee not satisfying the background check requirement will not be allowed on site per Spec Section 00 2113 INSTRUCTIONS TO BIDDERS.
5. All permits, licenses, road closures, etc. that are necessary for this scope of work shall be included per Spec Section 01 1100 SUMMARY OF WORK. Building permit is by CM.
6. Provide continuous trash removal and clean up required by Spec Section 01 700 EXECUTION REQUIREMENTS. This contractor should include participation in joint clean ups and Construction Waste Management Plan. Refuse containers will be furnished by Construction Manager.
7. Foreman must be onsite whenever trades or sub-trades are performing work, and during final inspections to ensure quality workmanship, safety and schedule compliance. Foreman must be issued a tablet, to access the documents on PROCORE as called out in Spec Section 00 2113 INSTRUCTIONS TO BIDDERS. Access to PROCORE will be granted by the CM.
8. Provide all labor, supervision, tools, equipment, incidental hardware, and materials required to receive, unload, store, protect, and install all work associated with this bid category, including materials furnished by others but designated to be installed under this contract.
9. Provide all surveying, layout, control, and field engineering necessary to complete the work of this bid category. Verify and cross-check all layout against control points, benchmarks, gridlines, and reference surveys established by the CM.
10. Materials testing, special inspections and building envelope commissioning will be conducted by the Owner's selected testing agencies. This bid category shall coordinate inspections, testing, etc. as required with the testing agents/inspectors and the Construction Manager. Coordinate schedules for work to allow all specified testing, special inspections and building envelope commissioning. All costs for additional testing due to failed tests & inspections, including fees and costs incurred by the Architect, Owner, and Owner's Representative shall be paid for by this bid category.
11. Provide 3D building information modeling (BIM) coordination drawings for all systems installed as part of work of this category as dictated in specification section 01 3177 BIM Implementation Plan. This contractor will attend all coordination meetings, provide coordination files to BIM Integrator and coordinate resolutions to clashes. Installation is to be designed to avoid clashes, allow for optimal accessibility to serviceable items, allow for installation clearances as well as future maintenance and to be square and true to building lines. Provide printed coordination drawings for all systems installed as part of the work of this category.

12. Furnish and install a complete watertight Pre-Engineered Metal Building (PEMB) System for Van Buren Public Schools per drawings and specifications noted above.
13. Manufacturer shall provide as part of their proposal, all design services necessary to furnish a final "FOR FABRICATION" set of drawings.
14. Bidders shall provide with their proposal, an erection schedule and sequencing plan for the PEMB, include fabrication duration and installation duration.
15. Contractor to confirm in proposal that the milestone dates can be met which include but are not limited to; PEMB deliveries to the site, erection completion and enclosure of building.
16. 31-01 Earthwork & Utilities contractor will provide aggregate crane pad and access roads. Refer to APPENDIX – E.
17. Furnish all anchor bolts & leveling plates to the jobsite, unloaded and inventoried in time for use by the 03-01 Structural Concrete contractor. Provide layout plans & templates for all items.
18. This contractor is responsible to provide steel beams on column line B at A202 Mech Mezzanine as called out on SHEET S3.01.
19. Make provisions in PEMB design to accommodate mechanical openings as provided per drawings including but not limited to; Louvers, Doors, Overhead Doors, Windows, Exhaust Fans, Canopies, Roof Penetrations and Wall Penetrations as noted in the documents provided.
20. Bidders shall provide with their proposal, an erection schedule and sequencing plan for the PEMB, include fabrication duration and installation duration.
21. Provide all metal wall and roof panels shown. Include all angles, brackets, clips and other connections necessary, etc. to attach the metal wall and roof panel system to the structure, is to be provided by this bid category, for a complete system. Provide all brake metal, sheet metal trim, snow guards, gutters, downspouts This contractor will furnish & install touchup paint for the metal panels & steel as required. Coordinate downspouts with 31-01 Earthwork & Utilities.
22. Provide and install all flashing integral with metal panel installations to achieve a weather tight assembly. Include installation of flashing furnished by other trades required or where metal panels interface with other systems to complete building enclosure. Test all installations of wall and roof flashings to ensure that they are watertight before finish panel is installed on top of the flashing. All flashings and openings between systems are to be water tested by this bid category and in close coordination with Construction Manager and the testing agent.
23. Per manufacturers recommendations, provide caulking and sealants for all work within this bid category, including caulking to dissimilar materials. Provide for proper backer rod and sealant installation. Provide any required exterior expansion joint systems integral with and around perimeter of metal panel systems. Provide touch-up, adjustment, re-caulking, and re-flashing as required prior to completion.
24. Provide temporary fall protection at standing seam roof. Coordinate removal timeline with CM.
25. Provide all steel framing, structure and supports at openings in the roof deck for MEP and cut openings in deck for MEP penetrations. Refer to architectural, fire suppression, plumbing,

mechanical and drawings for locations. This contractor is responsible for flashing any roof penetrations created by the MEP trades.

26. This contractor is responsible to provide steel beams on column line B at A202 Mech Mezzanine as called out on SHEET S3.01.
27. Provide steel framing at the canopy above door openings V100, V100A-1, V101A.1, C102A, V102A-1. Refer to SHEET A4.10 detail D4.
28. Provide fire stopping and fire sealant at all penetrations by this category in rated assemblies. This contractor is responsible for FST-03 Spray-Applied Fire-Resistive Material per SHEET A4.00 Detail D4
29. This contractor is required to provide temporary shrink wrap protection on all exterior metal panels 10' above finish floor. Removal provided by 06-01 General trades.
30. This contractor shall coordinate with 23-01 Mechanical Contractor for line set piping supports per note #4 on SHEET MH1.10.
31. This contractor is required to provide all backer rod and joint sealants as indicated on the drawings. This contractor is required to install joint sealants at the exterior louvers.
32. Coordinate guy wire anchoring/flashing with 23-01 Mechanical contractor. Refer to SHEET MP1.20 note #1.

C. EXCLUDED:

1. Excludes steel joists, decking, beams, columns at A202 Mech Mezzanine provided by 05-01 Misc. Steel.
2. Excludes roofing membrane and insulation called out at the man door canopies provided by 06-01 General Trades.
3. Excludes downspout underground connection provided by 31-01 Earthwork & Utilities.

D. ALLOWANCES:

1. None.

E. REQUIRED ALTERNATES:

1. ALTERNATE G-2: Provide PEMB bus canopy structure, erection, framing, metal panels, brake metal, roofing, joint Sealants, anchor bolts, snow & ice guard gutters and downspouts. Refer to SHEET A1.15

END OF BID CATEGORY 13-01